Wor	k O	rder	ID	62491
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Thursday, September 30, 2010 2:30:56 PM



Page 1

Item ID:

D3518-041

Accept

Setup Start

Stop

Start

Stop



Revision ID:

Item Name: Strut Assembly

Start Date: 9/30/2010

Start Qty: 2.00

Required Date: 10/8/2010

Req'd Qty: 2.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: 1/2-9-30

Tooling:

SPC (Y/N):

Date: Date:

Qty

Run

Sequence ID/ Work Center ID

Operation Description Set Up/ **Run Hours** Tool ID

Tool # Plan Code

Accept Qty

Reject Reject Number

Insp. Stamp

Draw Nbr

Revision Nbr

D3518 Rev B

100

Small Fab

Small Fab

Memo

Date:

0.00

0.00

Small Fab

Assemble as per dwg D3518

110

QC5- Inspect part completeness to step on W/O

0.00 Sistulia

Quality Control

Memo

Identify as per dwg & Stock Location:

0.00

Packaging

Memo

0.00

Packaging

120

Dart Aerospace Lt	d
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W/O:			WC	RK ORDER CHANG	iES					
DATE	STEP	PR	PROCEDURE CHANGE					Approval Chief Eng / Prod Mgr	Approval QC Inspector	
· .										
Part No	:	PAR #:	Fault Cate	gory:	_ NCR: Yes	s No DQ	A:	_ Date: _		
		solution:	n: Disposition:					Date: _		
NCR:		,	WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC			ion B	Verifi	cation	Approval	Approval	
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sect	ion C	Chief Eng	QC Inspector	
					-					
				, , ,						

Work Order ID 62491

Thursday, September 30, 2010 2:30:56 PM



Page 2

Item ID:

D3518-041

Accept



Setup Start



Revision ID:

Item Name:

Strut Assembly

Start Date:

Required Date: 10/8/2010

9/30/2010

Start Qty: 2.00

Req'd Qty: 2.00

Operation

Description



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Date:

Date: SPC (Y/N):

Tooling:

Set Up/

Run Hours

Date:

Date:

Run

Start

Stop

Stop

Sequence ID/

Work Center ID

130

QC

Memo

QC21- Final Inspection - Work Order Release

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

Quality Control

0.00

0.00

- 10/11/1777 Pl 10-11-17

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W/O:			WO	RK ORDER CHAI	NGES					* · · · · · · · · · · · · · · · · · ·		
DATE	STEP	PRO	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		

Part No) :	PAR #:	Fault Cate	gory:	NCR	: Yes N	lo DQ	A:	Date: _			
		Disposition	Disposition: QA					Date: _				
NCR:			WORK ORDER NON-CONFORMANCE (NCR)									
	0750	Description of NC	Corrective Action Section				Verific	cation	Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	on	Sign & Date	Secti		Chief Eng	QC Inspector		
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Picklist Print

Thursday, September 30, 2010 2:31:04 PM

Work Order ID: 62491

D3518-041 Parent Item:

Parent Item Name: Strut Assembly

Start Date: 9/30/2010

Start Qty: 2.00

Required Date: 10/8/2010

Page 1

Required Qty: 2.00

Comments:

IPP rev. A 05.06.06 preliminary EC

	re-design revB dwg	

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN3-13A		Purchased	No			100	Each	72.0000	2	4	0/11	/16	
				Location		Loc	<u>Otv</u>	Loc Code			/ /		
				ST351			72		_		_		
					104746		72			4	_		
AN316C6R		Purchased	No			100	Each	103.0000		2/5/	0/11	/16	
				Location		Loc	<u>Oty</u>	Loc Code			, ,		
				ST324			103		_		_		
					102809		8		_	<u>2</u>	-		
					108038		95		_		_		
AN960JD10	NAS1149D0363J	Purchased M115623	No L (8)		100	Each	8.0000	4	* JS/		/16	
				Location		Loc	<u>Oty</u>	Loc Code			·		
				ST			6		_		_		
					107715		6		_		_		
				ST335			2		_		_		
					105792		2		_		_		

Dart Ae	rospace	e Ltd												
W/O:			WORK ORDER CHANGES											
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty Approval Chief Eng / Prod Mgr	Approval QC Inspector						
					Ę									
			* 100											
Part No):	PAR #:	Fault Cat	egory:	NCR: Yes	No DQA:	Date: _							
	R	esolution:	Dispositi	on:	QA: N/C CI									
NCR:		V	VORK ORI	DER NON-CONFORMAI	NCE (NCF	R)								
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	Sign 8	Verifica Section		Approval QC Inspector						
			Chief Eng	Chief Eng	Date									
		·												
								·						

Picklist Print

Page 2

Thursday, September 30, 2010 2:31:04 PM

Work Order ID: 62491 D3518-041 Parent Item: Parent Item Name: Strut Assembly Start Date: 9/30/2010 Required Date: 10/8/2010 Start Qty: 2.00 Required Qty: 2.00 D2324-5 100 Manufactured No Each 41.0000 Strap Location Loc Qty Loc Code ST011 41 55387 41 Manufactured No 100 Each 0.0000 B62825 Strut D3518-3 100 8.0000 Manufactured Each Stainless Steel Ball Joint Rod End Location Loc Qty Loc Code ST067 39029 6 53454 2 MS21042L3 Purchased No 100 Each 1,735.000 Nut

Location

114523

114784

ST300

Loc Qty

1735

1686

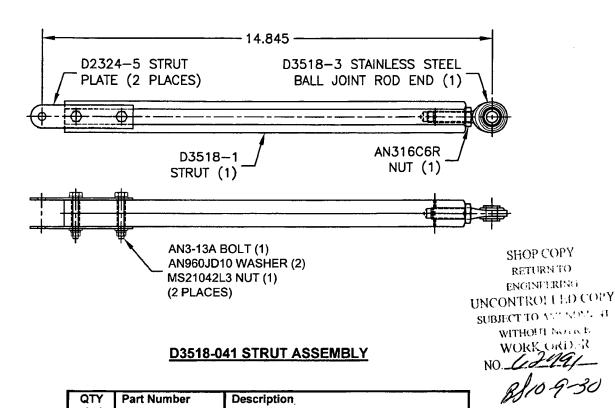
49

Loc Code

Dail Me	iospace L	ıu							
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
·			***************************************						
Part No	:	PAR #:	Fault Categ	ory:	_ NCR: Yes	No DC	A:	Date: _	
Resolution:		Disposition	:	_ QA: N/C (Closed:		Date: _		
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NC	R)			
DATE	CTED	Description of NC Section A			ion B	Verif	ication	Approval Chief Eng	Approval
DATE	STEP		Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sec	tion C		QC Inspector



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DESIG	4	DRAWIN BY	DART AEROSPACE L HAWKESBURY, ONTARIO, CANADA	_TD
CHEC	(ED	APPROVED	DRAWING NO.	REV. B
(4	-	D3518	SHEET 1 OF 3
DATE			TITLE	SCALE
06.1	0.23		BASKET (A119) STRUT	1:3
Α		06.06.21	NEW ISSUE	
В		06.10.23	RE-DESIGN	



QTY -041	Part Number	Description
Х	D3518-041	STRUT ASSEMBLY
2	D2324-5	STRUT PLATE
1	D3518-1	STRUT
1	D3518-3	STAINLESS STEEL BALL JOINT ROD END
2	AN3-13A	BOLT
1	AN316C6R	NUT
4	AN960JD10	WASHER
2	MS21042L3	NUT

NOTES:

1) IDENTIFY WITH DART P/N "D3518-041" USING FINE POINT PERMANENT INK MARKER



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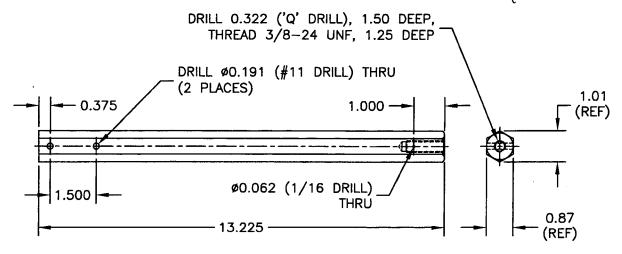
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W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PR	OCEDURE CHAP	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	jory:	_ NCR: Yes	No DQ	A:	Date: _	
			: Disposition:						
NCR:		,	WORK ORDE	R NON-CONFORM	ANCE (NC	R)			
DATE	STEP	Description of NC	Initial	ion B Sign		cation	Approval	Approval	
		Section A	Chief Eng	Action Description Chief Eng	Date		on C	Chief Eng	QC Inspector
***************************************									,
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DESIGN	DRAWN BY	DART AEROSPA HAWKESBÜRY, ONTARIO,	
CHECKED	APPROVED	DRAWING NO.	REV. B
PH	711	D3518	SHEET 2 OF 3
DATE		TITLE	SCALE
06.10.23		BASKET (A119) STRUT	1:3

w/o 42491



D3518-1 STRUT

NOTES:

- 1) MATERIAL: M6061-T6 (OR 6061-T651/T6510/T6511/T62) ALUMINUM HEX BAR PER
 - AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR PER
 - AMS-QQ-A-200/8 (OR AMS 4160)
 - (REF DART MATERIAL SPEC M6061T6H0.875)
- 2) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
 - POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES 0.005 TO 0.010 MAX

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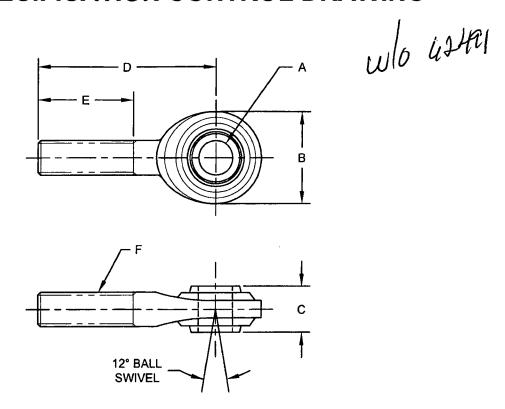
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W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
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			•									
	- 1,											
Part No: PAR #: Resolution:		PAR #:	Fault Cate	egory:	_ NCR: Yes N	lo DQA:						
		esolution:	Disposition	on:	_ QA: N/C Clo	sed:						
NCR:			WORK ORE	ER NON-CONFORMA	ANCE (NCR)							
DATE	STEP	Description of NC			on B	Verification	Approval Chief Eng	Approval QC Inspector				
DATE		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C						
								!				
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DESIGN	DRAWN BY	DART AEROSPA HAWKESBURY, ONTARIO,	
CHECKED	APPROVED/	DRAWING NO.	REV. B
PH		D3518	SHEET 3 OF 3
DATE	· · · · · · · · · · · · · · · · · · ·	TITLE	SCALE
06.10.23		BASKET (A119) STRUT	1:1

SPECIFICATION CONTROL DRAWING



DART P/N	Α	В	С	D	E	F	LOAD*	POSSIBLE SUPPLIER
D3518-3	0.375	1.00	0.50	1.938	1.25	3/8-24	4012	McMASTER-CARR,
						UNF, RH		P/N 2458K14

^{*} Indicated load is Static Radial Load Capacity in lbs

NOTES:

- 1) TYPE: MALE THREADED SHANK CARBON-FIBER-REINFORCED PLASTIC RACE BALL JOINT ROD END
- 2) MATERIAL: ZINC PLATED STEEL HOUSING BALL WITH PTFE LUBRICATED CARBON-FIBER-REINFORCED PLASTIC RACE.
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

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W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
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	-											
a												
Part No:		PAR #:	gory:	NCR: Yes No DQA: Date:								
Resc		esolution:	ution: Disposition:					QA: N/C Closed: Date:				
NCR:		\	WORK ORDI	ER NON-CONFORMA	NCE (NCR)						
DATE	OTED	Description of NC		Corrective Action Section B		Verific	cation	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti		Chief Eng	QC Inspector			